

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1313465

Luminaire Tested: P3SQAS13R509730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R509730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

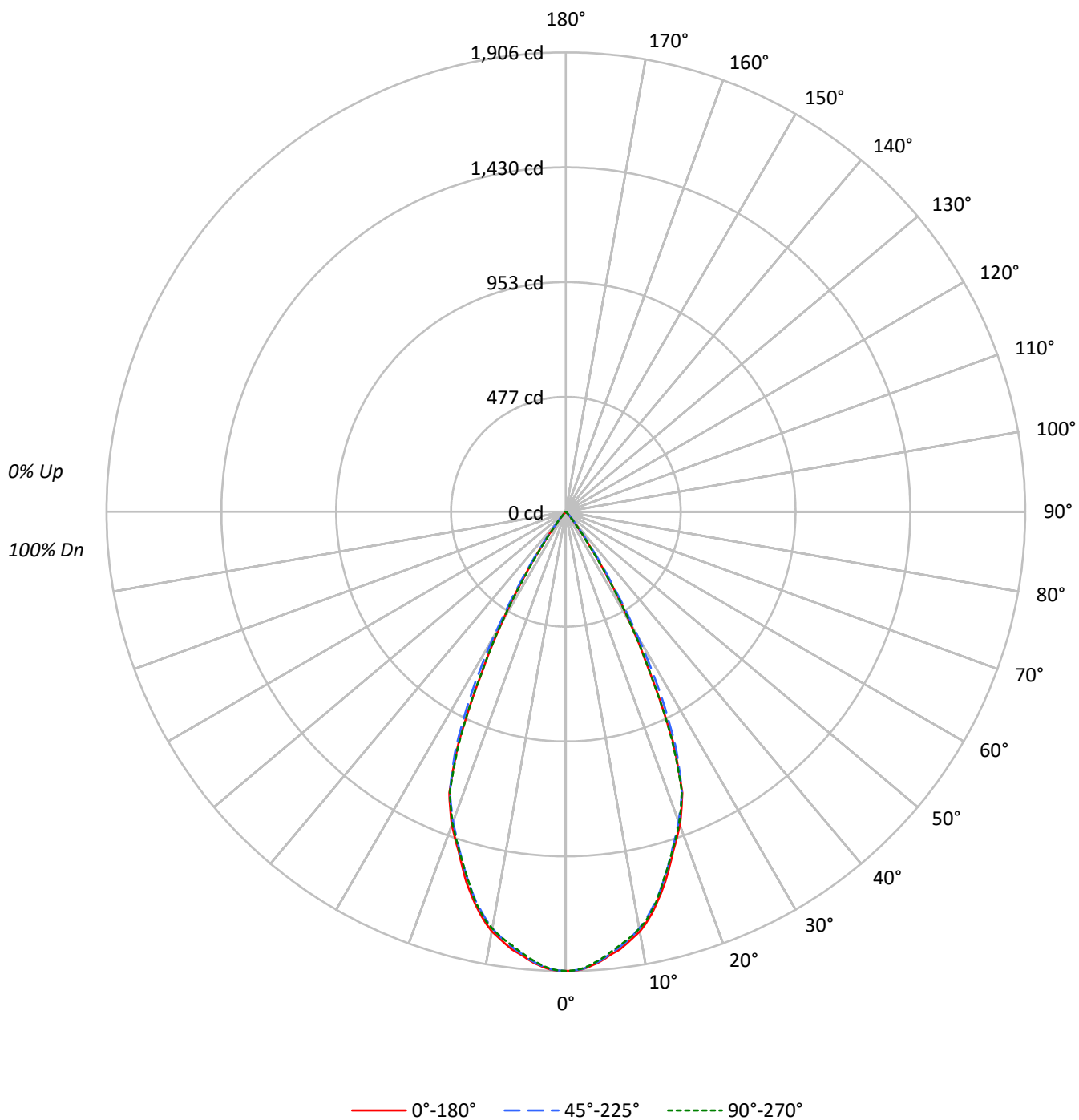
Lumens per Lamp: N/A
Luminaire Lumens: 1228.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85		
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	80		
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76		
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72		
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68		
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65		
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62		
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	328170	328170	328170
5°	321748	321143	320227
10°	309152	307018	307176
15°	283797	281158	280837
20°	253543	250831	252095
25°	199262	205077	197609
30°	106612	119439	106950
35°	34817	40682	32798
40°	8633	10769	8228
45°	1072	3824	1072
50°	697	1179	697
55°	781	781	781
60°	586	586	586
65°	693	693	693
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	14.2
10°-20°	440.7	35.9
20°-30°	463.5	37.7
30°-40°	133.6	10.9
40°-50°	10.9	0.9
50°-60°	2.3	0.2
60°-70°	1.6	0.1
70°-80°	1.0	0.1
80°-90°	0.2	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1078.4	87.8
0°-40°	1212.0	98.7
0°-60°	1225.2	99.8
0°-90°	1228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1906	1906	1906	1906	1906	
5°	1861	1860	1858	1859	1852	175
15°	1592	1581	1577	1577	1575	443
25°	1049	1075	1079	1067	1040	454
35°	166	172	194	166	156	128
45°	4	9	16	9	4	8
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1905.5	1905.5	1905.5	1905.5	1905.5
1°	1904.6	1906.4	1902.9	1909.0	1903.8
2°	1900.3	1901.2	1899.4	1903.8	1896.8
3°	1889.8	1891.6	1888.1	1891.6	1885.5
4°	1877.6	1877.6	1874.1	1876.8	1868.9
5°	1861.1	1860.2	1857.6	1859.3	1852.3
6°	1843.6	1842.8	1838.4	1838.4	1833.2
7°	1830.6	1824.5	1821.0	1820.1	1814.9
8°	1809.6	1807.9	1800.9	1800.9	1797.4
9°	1788.7	1787.0	1779.1	1780.9	1778.3
10°	1767.8	1761.7	1755.6	1756.5	1756.5
11°	1739.9	1734.7	1726.0	1729.4	1731.2
12°	1706.8	1700.7	1692.8	1699.8	1698.9
13°	1670.2	1664.9	1658.8	1664.1	1662.3
14°	1631.8	1624.0	1618.7	1622.2	1620.5
15°	1591.7	1581.2	1576.9	1576.9	1575.1
17.5°	1479.3	1473.2	1468.8	1466.2	1472.3
20°	1383.4	1378.1	1368.6	1371.2	1375.5
22.5°	1263.1	1262.2	1257.0	1252.6	1257.9
25°	1048.6	1074.8	1079.2	1067.0	1039.9
27.5°	761.9	822.9	844.7	815.9	766.2
30°	536.1	564.9	600.6	543.9	537.8
32.5°	323.4	331.2	364.4	325.1	316.4
35°	165.6	171.7	193.5	165.6	156.0
37.5°	77.6	81.1	89.8	77.6	72.4
40°	38.4	42.7	47.9	40.1	36.6
42.5°	16.6	21.8	27.9	20.9	14.8
45°	4.4	8.7	15.7	8.7	4.4
47.5°	2.6	3.5	8.7	3.5	2.6
50°	2.6	2.6	4.4	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	1.7	2.6	1.7	2.6	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.0	0.9	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)